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Europäisches  
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Division de la  
recherche

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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

THE INSTITUTE OF PHYSICAL & CHEMICAL RESEARCH

## COMMUNICATION

The European Patent Office herewith transmits

- ☐ the European search report
- ☐ the declaration under Rule 45 EPC
- ☐ the partial European search report under Rule 45 EPC
- ☒ the supplementary European search report concerning the international application under Article 157(2) EPC relating to the above-mentioned European patent application. Copies of the documents cited in the search report are enclosed.

The following specifications given by the applicant have been approved by the Search Division :

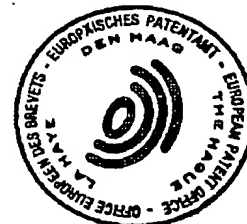
- ☒ Abstract ☒ Title ☐ Figure
- ☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.
- ☐ The following figure will be published with the abstract, since the Search Division considers that it better characterises the invention than the one indicated by the applicant.

Figure:

- ☒ Additional copy(copies) of the documents cited in the European search report.

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



EPO Form 1507 02.93




DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	KOSTYUK D A ET AL: "Mutants of T7 RNA polymerase that are able to synthesize both RNA and DNA." FEBS LETTERS, vol. 369, no. 2-3, 1995, pages 165-168, XP002205284 ISSN: 0014-5793 * the whole document *		C12N15/54 C12N9/12 C12N1/21 C12Q1/68 C12P19/34 //C12N9:12, C12R1:19, C12N1:21, C12R1:19
D,A	SOUSA R ET AL: "A MUTANT T7 RNA POLYMERASE AS A DNA POLYMERASE" EMBO JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 14, no. 18, 1995, pages 4609-4621, XP002049775 ISSN: 0261-4189 * the whole document *		
A	AXELROD V D ET AL: "TRANSCRIPTION FROM BACTERIOPHAGE T7 AND SP6 RNA POLYMERASE PROMOTERS IN PRESENCE OF 3'-DEOXYRIBONUCLEOSIDE 5'-TRIPHOSPHATE CHAIN TERMINATORS" BIOCHEMISTRY, AMERICAN CHEMICAL SOCIETY. EASTON, PA, US, vol. 24, no. 21, 1 October 1985 (1985-10-01), pages 5716-5723, XP000674402 ISSN: 0006-2960 * the whole document *		TECHNICAL FIELDS SEARCHED (Int.Cl.6)  C12N C12Q C12P
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>9 July 2002</b>	Examiner <b>Hornig, H</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C04)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	BONNER G ET AL: "Mutations in T7 RNA polymerase that support the proposal for the common polymerase active site structure" EMBO JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 11, no. 10, 1992, pages 3767-3775, XP002102548 ISSN: 0261-4189 * the whole document *		
A	BONNER GARY ET AL: "Characterization of a set of T7 RNA polymerase active site mutants" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 269, no. 40, 1994, pages 25120-25128, XP002189161 ISSN: 0021-9258 * the whole document *		
A	MAKAROVA OLGA V ET AL: "Transcribing of Escherichia coli genes with mutant T7 RNA polymerases: Stability of lacZ mRNA inversely correlates with polymerase speed" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 92, no. 26, 1995, pages 12250-12254, XP002189160 ISSN: 0027-8424 * the whole document *		TECHNICAL FIELDS SEARCHED (Int.Cl.6)
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search THE HAGUE		Date of completion of the search 9 July 2002	Examiner Hornig, H
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C04)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	PARVIN J D ET AL: "RAPID RNA SEQUENCING USING DOUBLE-STRANDED TEMPLATE DNA, SP6 POLYMERASE, AND 3'DEOXYNUCLEOTIDE TRIPHOSPHATES" DNA, MARY ANN LIEBERT, NEW YORK, NY, US, vol. 5, no. 2, 1 April 1986 (1986-04-01), pages 167-171, XP000674970 ISSN: 1044-5498 * the whole document *		
A	KLEMENT J F ET AL: "SEQUENCING OF DNA USING T3 RNA POLYMERASE AND CHAIN TERMINATING RIBONUCLEOTIDE ANALOGS" GENE ANALYSIS TECHNIQUES, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 3, no. 4, 1 July 1986 (1986-07-01), pages 59-66, XP000674971 ISSN: 0735-0651 * the whole document *		
A	US 5 385 834 A (IKEDA RICHARD A) 31 January 1995 (1995-01-31) * the whole document *		TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	EP 0 727 496 A (HARVARD COLLEGE) 21 August 1996 (1996-08-21) * the whole document *		
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search THE HAGUE		Date of completion of the search 9 July 2002	Examiner Hornig, H
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 92 9851

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-07-2002

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